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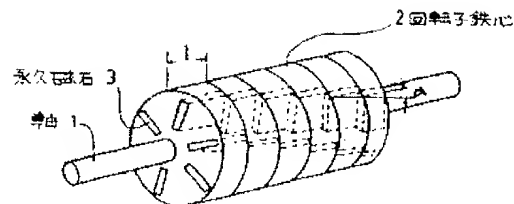
APPLICATION DATE : 03-12-86
APPLICATION NUMBER : 61288021

APPLICANT : FUJI ELECTRIC CO LTD;

INVENTOR : ARAKAWA HIROYASU;

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TITLE : ROTOR WITH PERMANENT MAGNET



ABSTRACT : PURPOSE: To effectuate a skew effect with a rotor, by dividing the rotor with permanent magnets, into pieces, and by shifting the pieces positionally in the shape of steps by every constant angle to fit the pieces on a shaft.

CONSTITUTION: A laminated rotor core 2 fitted on a shaft 1 is divided into a plurality of pieces together with permanent magnets 3 in the direction of the lamination, and the divided core pieces are positionally shifted in the shape of steps by angle α and are fitted on the shaft 1. The tilt angle α is selected so that the sum of the tilt angles of all the divided core pieces may be almost equal to the skew angle of one slot pitch of a stator core.

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